REMARKS

No Claims have been amended.

Claims 1-22 have been cancelled without prejudice.

Claims 23-27 are currently pending in this application.

Claims 23 and 24 are in independent format.

Comments

New Claims 23 claims an embodiment of Applicants' invention wherein the

calculated offset angle obtained from the first measurement and the second

measurement is representative of an angle variation between a wheel-mounted sensor

angle measurement and a vehicle wheel hub assembly-mounted sensor angle

measurement. This calculated offset angle is subtracted from at least one

predetermined specification value for the alignment angle to offset the specification

value, permitting one or more subsequent vehicle wheel hub assembly-mounted sensor

angle measurements of the alignment angle to be compared with the offset

specification value to determine the necessary alignment angle adjustment.

New Claims 24-27 set forth a method for measuring at least one vehicle wheel

alignment angle from a vehicle wheel hub assembly utilizing equations which are

mathematically equivalent to Equations (1), (2), and (3) for obtaining the necessary

alignment angle adjustment, as set forth in Paragraphs 0077 through 0079 of the

Specification. No new matter is believed added by these amendments.

Paragraph numbering is set forth in U.S. Published Application No. 2002/0189114 A1.

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This mathematical equivalency between Equations (1), (2), and (3) once wheel alignment adjustment has begun and the methods of new Claims 24-27 is illustrated in the following table with correspond paragraph references to the published application.

Spec.	Equations (1), (2), (3)	New Claims 24-27
¶ 0073	Acquire Measurement A (Wheel On Measurement)	Acquire Measurement A (Wheel On Measurement)
¶ 0077	Acquire Measurement B1 (1st Wheel Off Measurement)	Acquire Measurement B1 (1 st Wheel Off Measurement)
¶ 0078	Acquire Subsequent Measurement B2 (2 nd Wheel Off Measurement)	Acquire Subsequent Measurement B2 (2 nd Wheel Off Measurement)
¶ 0077	Calculate Equation (1) A - B1 = Delta1	Calculate: B2 - B1 = Delta2
¶ 0078	Calculate Equation (2) B2 + Delta1 = C Note: B2 is utilized here instead of B1 to illustrate use of this method with subsequent wheel off measurements.	Calculate: A + Delta2 = C
¶ 0078	Calculate Equation (3) C – Spec. = Necessary Alignment Angle Adjustment	Calculate: C - Spec. = Necessary Alignment Angle Adjustment
¶ 0079	Substituting Values: B2 + Delta1 - Spec. = Adjustment B2 + (A - B1) - Spec. = Adjustment Rearranging Terms: A + B2 - B1 - Spec. = Adjustment	Substituting Values: A + Delta2 - Spec. = Adjustment A + (B2 - B1) - Spec. = Adjustment Rearranging Terms: A + B2 - B1 - Spec. = Adjustment

Based on the foregoing, the allowance of Claims 23-27 is requested.

If for any reason the Examiner is unable to allow the application on the next Office Action and feels that an interview would be helpful to resolve any remaining issues, the Examiner is respectfully requested to contact the undersigned attorney for the purpose of arranging such an interview.

Respectfully submitted,

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